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FORM

(to be used for all correspondence after initial filing)

|  |                      |                        |  |
|--|----------------------|------------------------|--|
|  | Application Number   | 10/052,686             |  |
|  | Filing Date          | January 18, 2002       |  |
|  | First Named Inventor | Garrett Andrew Smith   |  |
|  | Art Unit             | 3682                   |  |
|  | Examiner Name        | Julie K. Smith         |  |
| Total Number of Pages in This Submission | 15                   | Attorney Docket Number |  |

| ENCLOSURES (Check all that apply)  |   |  |  |
|--|---|--|--|
| <input type="checkbox"/> Fee Transmittal Form                                | <input type="checkbox"/> Drawing(s)                                       | <input type="checkbox"/> After Allowance Communication to Group                            |  |
| <input type="checkbox"/> Fee Attached  | <input type="checkbox"/> Licensing-related Papers                         | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences        |  |
| <input checked="" type="checkbox"/> Amendment/Reply                          | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |  |
| <input type="checkbox"/> After Final   | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information   |  |
| <input type="checkbox"/> Affidavits/declaration(s)                           | <input type="checkbox"/> Power of Attorney, Revocation                    | <input type="checkbox"/> Status Letter   |  |
| <input type="checkbox"/> Extension of Time Request                           | <input type="checkbox"/> Change of Correspondence Address                 | <input type="checkbox"/> Other Enclosure(s) (please identify below):                       |  |
| <input type="checkbox"/> Express Abandonment Request                         | <input type="checkbox"/> Terminal Disclaimer                              |  |  |
| <input type="checkbox"/> Information Disclosure Statement                    | <input type="checkbox"/> Request for Refund                               |  |  |
| <input type="checkbox"/> Certified Copy of Priority Document(s)              | <input type="checkbox"/> CD, Number of CD(s) _____                        |  |  |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application    |   | Remarks  |  |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 |   |  |  |

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| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |                      |
|--|----------------------|
| Firm or Individual                         | Garrett Andrew Smith |
| Signature                                  |                      |
| Date                                       | April 25, 2003       |

| CERTIFICATE OF TRANSMISSION/MAILING   |                      |                     |
|---|----------------------|---------------------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: <span style="border: 1px solid black; padding: 2px;">April 25, 2003</span> |                      |                     |
| Typed or printed  | Garrett Andrew Smith |                     |
| Signature   |                      | Date April 25, 2003 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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#4/Amend A  
5-8-03  
JL

Application Number: 10/052,686  
Application Filed: 01/18/2002  
Applicant(s): Garrett Andrew Smith  
Application Title: Bicycle Crank Axle Bearing Assembly  
Examiner/GAU: Julie K Smith / 3682

AMENDMENT A

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Assistant Commissioner for Patents  
Washington, District of Columbia 20231

Sir:

In response to the Office Letter mailed 1/30/2003, please amend the above application as follows:

✓  
**Claims:** Cancel all claims of record and substitute new claims 13 to 22 as follows.

13. A bottom bracket assembly for a bicycle comprising a spindle that is rotatably held in an outer bracket portion with at least two cartridge bearings, each including outer and inner races, where:

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- a) the inner races of said cartridge bearings are fit onto said spindle and the outer races of said cartridge bearings are fit into said outer bracket portion;
- b) both said inner races are fixed on said spindle in both axial directions by abutting inner and outer stop elements;
- c) at least one of said outer races is mounted in said outer bracket portion such that it is free to move in both axial directions.